VERY CURIOUS DISCOVERY THAT THE NORTH STAR IS REALLY THREE PLANETS.

Polaris, the North Star and Its Two Invisible Companions, Just Discovered by the Spectroscope.



recent discoveries in astronomy is that the North Minr is not one star, but

This star, which is 250,-000,000,000 mlles sway from the earth, has been one of the most familiar objects in the firmament

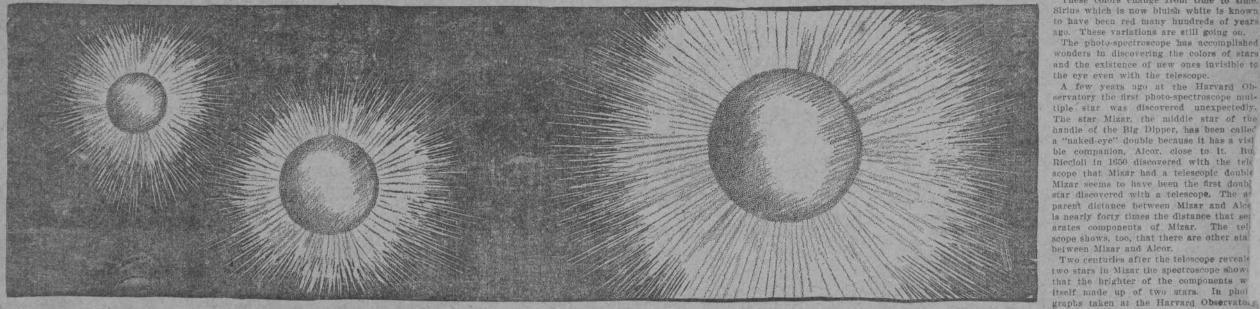
since the beginning of creation, and yet its true nature was not even suspected until the other day. The North Star is one of the most brilliantly beautiful in color and is the star which children are first taught to distinguish. It points constantly to the North Pole of

the earth and has been of more aid to navicators and travellers in unknown regions than any other celestial body which illuminates the night.

It was by means of the spectroscope atcached to the great thirty-six-inch refracting elascope at the Lick Observatory tent the existence of two companions of the North star was discovered the other day. Only one star is visible to the eye, even with the greatest of telescopes, but the spectroscope reveals the existence of two others with mathematical accuracy.

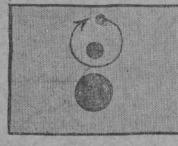
The spectroscope is an instrument which separates light into its component colors. When the light from the North Star was xamined in the spectroscope attached to he Lick telescope the other day changes in he lines of color were observed which could only be accounted for by the fact that there were other bodies present. From this point it was only a matter of mathematics o calculate their number, position and

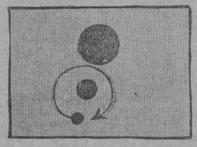
The North Star, which is called by asronomers Polaris, is really a great sun. It



These Diagrams Show How the Two







Revolve Around the North Star Once in Four Years.

other to recede from us, the lines in the Story sorts a fast, when is called a great sun. It is accompanied by two invisible stars just incorrect by the spectroscope, One of hase revolves about the other and the two companions in metas. This cycle of shange is repeated that the North Star had elevery two days, will decreas a gain to eight kind of the two bodies comprising the four-day system and the two bodies comprising the coloring are double stars. These are sun with a small blood companions of a bright emeral green. One those of the two bodies comprising the four-day system and the two bodies comprising to decode stars. These are sun with a small blood companions of polaries are lumination of the two bodies comprising the four-day system and the two bodies comprising the two bodies comprising the four-day system and the tw spectrum of the approaching star will be displaced toward the violet end, while

These colors change from time to time. Sirius which is now bluish white is known

to have been red many hundreds of years ago. These variations are still going on.

the eye even with the telescope.

The photo-spectroscope has accomplished wonders in discovering the colors of stars

A few years ago at the Harvard Ob-

The star Mizar, the middle star of the

handle of the Big Dipper, has been called

ble companion, Alcor, close to It. Bu

scope that Mizar had a telescopic double

Mizar seems to have been the first doubl

arates components of Mizar. The tel

Two centuries after the telescope reveals

itself made up of two stars. In phot

graphs taken at the Harvard Observator,

In 1889 the K line in the spectrum of Mizar

appeared double. In other plates the line

was single, in others it was hazy. A close ecrutiny of all the plates showed that the

line was double at intervals of fifty-two

days. This proved to astronomers that the

brighter component of Mizar was really

A spectroscope takes cognizance of the motion of a star to or from the earth,

When one star begins to approach and the

THE ONLY WOMAN OF WHOM THE SOME REMINISCENCES OF LINCOLN MLLE. HENRIOT, LATEST FRENCH BEAUTY WHO HAS CAPTIVATED PARIS.

ARIS, Sept. S .- Celeste Mogador otherwise known as the Countess de Chabrillan, was once famed as the only woman of whom the Empress Eugenie was jesious.

She was a great beauty and one of the most fascinating women of the days when the Empress dazzled all Europe with her splendor. She is now very poor and very old, so old that her voice is like one from

The world has long forgotten her, and many believed she was dead, until re-cently, when she made application to the Government for a pension. The Countess's claim is a good one, but very ancient, blder, in fact, than the Republic, for it is full forty years since her husband, who was a French Consul in Australia, died

The widows of French Consuls are entitled to pensions, but the Government hesi-tates, because it is suggested that a glaim which has been dormant for two core years is outlawed by lapse of time.

This remarkable woman never received any education, and yet she has written her famous "Memoirs," twenty romances, ten dramas, ten comedies and one hundred poems. Even Camille Flammarion cannot explain this phenomenon. The Countess made a great deal of money by her pen, and like most artists spent it freely. As there is no home in France for superannuated geniuses the poor old indy whom apoleon loved and of whom Eugenie was

leafous is likely to have a hard time in the Wilnter of her life.

This seems all the more cruel, as the Dunness herself once gave a fete at her Australian home, where, in one evening, the realized the sum of sixty thousand The Countess de Chabrillan at the Height of Her Beauty. Irimean war.



BY HIS PRIVATE TELEGRAPHER.

graph Company, has written for the say that he was greatly pleased at this op-Telegraph Age a remarkably interesting portunity to see the operation of the tele-paper, touching upon the eventful period of graph. He then left me." the history of the United States when the carry was raging.

Some time after that young Tinker entered the United States Telegraph Service,

with the President and saw him in an inupparalleled simplicity. In telling of the
first time Superintendent Tinker met "Old
Abe," in Pekin, Ili., before the great
cmancipator became President, he writes

"During the progress of the bar
timore Convention, by which Mr.
Lincoln was nominated for a second term, one of his secretaries,
ond term, one of his secretaries,
where the progress of the bar
timore Convention, by which Mr.
Lincoln was nominated for a second term, one of his secretaries,
ond term, one of his secretaries,

emancipator became President, he writes of that meeting:

"One afternoon, as I was sitting on my high stool listening to the click of the register, and waiting for a customer, he came to the office, and looking over the tall railing, said: 'Mr. Operator, I have always had a curiosity to see the telegraph work. You don't seem to be very busy, and as I have a half hour or so to wait for dinner, I wonder if you will not explain it to me?' I replied 'Certainly, sir: I should be pleased to do so,' and inviting him inside the gate. I proceeded to show him the working of the telegraph'—explained the battery and its connection to the instruments, and the wires leading thence out of the window and away to the world without. I was encouraged by the readiness with which he comprehended it all. He seemed to grasp its intricacles, and remarked: 'How simple it is when you know it all.' I called up Chicago, and requested the operator to send a message to 'Old Abe Lincoln,' who was standing at my side. He sent the usual compilmentary greeting. Mr. Lincoln watched me closely as I copied it from ear, and thought that was the mystery of it

ENERAL Superintendent Charles A. all, as he could not take it in. He wished Tinker, of the Western Union Tele me to thank the Chicago operator, and to

At that time Superintendent Tinker, then a mere boy, was in daily communication with the President and saw him in all his upparalleled simplication of Lincoln he writes:



The New Actress of the Comedie Francaise.

is the latest Parisian beauty and also the latest star of the great Theatre Français.

Her beauty is of a pure and somewhat cold type, suggesting that of Cleo de Merode. Her face is highly intelligent, while her figure is ample and finely proportioned. Jules Claretle, man of letters, Academician, president of the Society of Authors and General Administrator of the Comedie Francaise, stands sponsor for Mile. Henriot's talent. He says the day is not far distant when this young Frenchwoman will rank with the brightest names in, the history of the famous classic French Thea-

To become a star of the Comedie Franexise con ains infinite possibilities of fame and warre at is only necessary to recall Rachel to indicate how great a reward attends success in the department of art in France. A French actress of the first rank holds a position equal to that of the great painters of the day, and superior to that of any artist in any other country.

The actor or actress here is supposed to apply one of the highest forms of art to the expression of the best literature. The actress of the legitimate theatre,

while she has a freedom of life not permitted to ordinary French women, enjoys the respect of the best society. Not only does the successful actress re

ceive proper recognition as an artist, but she may set the fashions for the rest of the world. The most fashionable wome of Paris find their inspiration for new style on the stage and the great dressmakers try them on there first. The French actress practically sets the fashions of the whole world. Her position is a proud one, and that is why we shold note the rise of a new one with interest.

Some Interesting New Things in Miss Julia Grant's Wedding Trousseau.

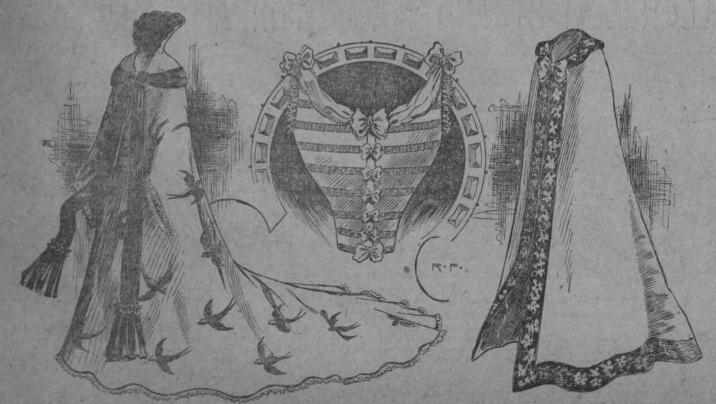
for her transceau has just arrived seems almost a crime to hide them from lace insertion, which act as a heading for at Newport.

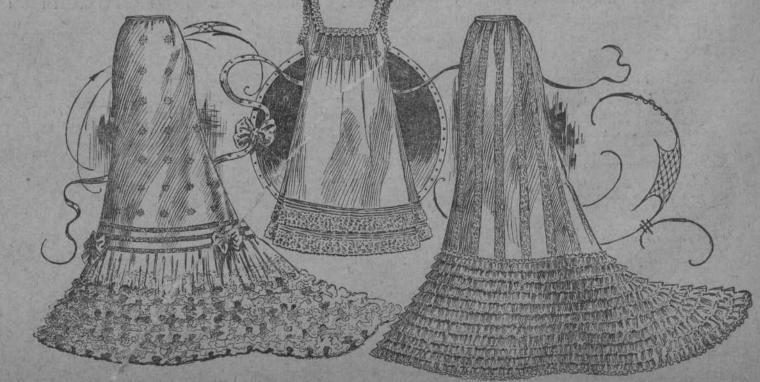
It is the most beautiful collection of One, which is fluffy with white tulle The skirr is cut with a long train and has trousseau, and at least half of them she addingt undergaments ever owned by an nuffice, is made of white china slik with a novel touch of color in two little red designed herself, and has two dozen altogether, deal price and daintiness of many of Miss Grant's famous lingeries wedding and daintiness of many of Miss Grant's famous lingeries wedding and daintiness of many of Miss Grant's famous lingeries wedding and daintiness of many of Miss Grant's famous lingeries and daintiness of many of Miss Grant's famous lingeries and daintiness of many of Miss Grant's famous lingeries, which sale and daintiness of many of Miss Grant's famous lingeries wedding and daintiness of many of Miss Grant's famous lingeries wedding and daintiness of many of Miss Grant's famous lingeries wedding and daintiness of many of Miss Grant's famous lingeries wedding and daintiness of many of Miss Grant's famous lingeries and daintiness of many of Miss Grant's famous linger, which sale ask products of many of Miss Grant's famous linger, which sale and daintiness of many of Miss Grant's famous linger, we will be sufficient bows of many of Miss Grant's famous linger, which sale and daintiness of many of Miss Grant's famous linger, we will the beauty linger, which sale and daintiness of many of Miss Grant's famous linger, we will the beauty linger, which sale and daintiness of many of Miss Grant's famous linger, we will the beauty linger, which was not created to trim dainting the will be all the sale and daintiness of many of Miss Grant's famous linger, which sale and daintiness of many of Miss Grant's famous linger, which sale and daintiness of many of Miss Grant's linger for them all. Assuredly but the most of them all assuredly with adaptined post. The beath robby is famous linger, which with ea

Grant ordered last Summer in Paris tuile ruffles. So beautiful are they that it is trimmed with three narrow bands of and is cut in the new clinging shape. a narrow friil of the lace. The corset lin lace insertion.

for her transseau has just arrived seems almost a crime to hide them from lace insertion, which act as a heading for There are two dozen corset covers in the cover ends just at the walst line.

yet beautiful neglige is a high standing Miss Grant has an extremely novel neg- shirred deep blue Liberty gauge collar at





Hand-painted Negligee Corset Cover, with Silk Velvet BowsBath Robe Trimmed with Blue Russian Embroidery. Trained Petticos of Batiste and Lace, Embroidered with Daisies. Chemise with Yellow Velvet Bows and Silk Underskirt with Tulls Control of Batiste and Lace, Embroidered with Daisies.